

# S&MA Mission Services Task Directive

<b>Control No.</b> 0109	<b>ORG No.:</b> QS40	<b>PROJECT SYM.:</b> PRACA	<b>Contract No.</b> NAS8-00179
<b>Originator's Signature:</b> Angelia Walker <i>Angelia A. Walker</i>		<b>Date:</b> <i>2/20/02</i>	<b>Originator's Priority:</b> High
<b>Office Manager's Signature:</b> Angelia Walker <i>Angelia A. Walker</i>		<b>Date:</b> <i>2/20/02</i>	
<b>COTR's Approval:</b> <i>Terry J. Ha</i>		<b>Date:</b> <i>3-28-02</i>	
<b>Subject:</b> Safety & Mission Assurance Support for MSFC Problem Reporting and Corrective Action Systems (PRACAs)			

## Task Description:

### Reliability (PWS Section 5.5 and subs)

- 1) Generate and provide annual and as-needed review and update of MSFC Problem Assessment Center (PAC) Operations Plan and associated MSFC S&MA process and procedure documentation
- 2) Receive, review, log, code, and enter (as required) new and updated problem reports on assigned MSFC projects into MSFC PRACA or other directed PRACA system (such as Space Station PRACA)
- 3) Establish and maintain PRACA electronic database records and paper files on directed MSFC projects/programs
- 4) Provide engineering overview, coordination, and recording of MSFC actions regarding recommended problem dispositions
- 5) Assist MSFC Projects and contractors in compliance with appropriate NASA and MSFC PRACA requirements as requested by S&MA, as thru requirements and implementation plan review, operation surveillance, and user training on requirements
- 6) Provide official MSFC problem report data to authorized organizations and personnel, including engineering evaluation and/or summary when requested
- 7) Facilitate Problem Review Boards (PRBs) for problem status and disposition in keeping with S&MA and Project direction
- 8) Perform regular and ad hoc trending of problem activity to assist MSFC in analysis, review, and response to problem situations
- 9) Coordinate initiation and/or MSFC review of associated common hardware problems with other Centers in keeping with established techniques
- 10) Provide support to MSFC for availability to problem data and data systems outside of MSFC when requested or needed

### Reliability/Information Management (PWS Section 5.5)

- 1) Operate, maintain, and enhance, as directed, the MSFC UNIX PRACA data application
- 2) Assist in establishment, maintenance, and discrepancy isolation/resolution for electronic transfer of problem report information among MSFC, MSFC contractors, and other NASA organizations/entities

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## Deliverables:

New and updated problem data entered into appropriate data system

Generation and annual and as needed review and update of MSFC PAC Operations Plan and associated MMS and S&MA procedures, instructions and guidelines.

Monthly Newly Opened/Newly Closed MSFC PRACA Problem Summary

Monthly problem data in support of Human Explorations and Development of Space (HEDS) reporting

Summaries and listings of open critical MSFC PRACA problem against mission and/or Project milestones

Problem summary packages in support of PRBs and/or other disposition reviews in keeping with the desires on MSFC S&MA and Project personnel

Daily distribution of KSC PRACA problems initiated during and since the previous work day on MSFC Shuttle Projects

Engineering analyses and special studies related to problem data, processing, or techniques as directed and authorized by S&MA

## Schedules/Duration:

- 1) New and updated problem data entered into the appropriate data system with 2 workdays of receipt
- 2) Task on-going through contract duration

## Resource Estimate:

(b)(4)

Report Progress To:

MSFC PAS Coordinator

Status:

OPEN

Frequency of Report:

Alternate weeks and per DR